



# THURAYA MBH

The Mobile Broadband Hotspot built for land and maritime missions

## Built for Seamless Connectivity

Thuraya MBH is a compact, all-in-one satellite solution built to keep you connected on land or at sea. Whether you're in remote terrain or offshore, it delivers reliable L-band connectivity through a simple, plug-and-play device. Its versatile design removes the need for multiple systems, offering standard IP speeds up to 300/100 kbps.

## Ready for Harsh Environments

Compact and rugged, the MBH supports quick deployments across vehicles, vessels, and field sites. With IP67/IP68 ratings, it handles tough conditions while enabling real-time communication, tracking, and remote access. Use it as a primary or backup link without the cost and complexity of traditional terminals.

## Flexible, User-Friendly Integration

With built-in Wi-Fi, LAN support, and 16-language access, MBH fits easily into any setup. From civil government to offshore operations, it delivers critical communications through a compact, globally connected device.

## Product Features



### All-in-One Satellite Hotspot

Integrates a built-in modem, Wi-Fi access point, and power management in one terminal for simplified deployment and mobility.



### Rapid Plug-and-Play Setup

Install with a single cable and access the web-based interface via mobile or LAN for easy configuration, no training required.



### Reliable Data Communications

Supports standard IP speeds up to 300 kbps downlink / 100 kbps uplink over Thuraya's trusted L-band network.



### Ruggedized & Weatherproof

IP67 and IP68 certified to withstand dust, water, and harsh vibration ready for deployment in extreme environments.



### Dual-Use Design

One solution for both land-based and maritime applications with optional mounting kits for different use cases.



### Emergency-Ready Functions

Equipped with support for tracking, geofencing, distress alert reporting, and remote configuration (This functionality is fully enabled through 3rd party remote server integrations).



## Ruggedized and Compatible with Several Accessories



### Optimized for Modern Systems

Compatible with connected sensors, IIoT platforms, and M2M applications via LAN/Wi-Fi.



### User-Friendly Interface

Accessible web menu in 16 languages, including English, Arabic, French, Spanish, Hindi, Turkish, Chinese, and more.

## Product Specifications

<b>Dimensions</b>	Terminal: 301 x 181 mm (Ø X H) PoE Injector: 115 X 90 X 30 mm (L X W X H)
<b>Weight</b>	Terminal: 3.30 kg PoE Injector: 0.47 kg
<b>Data Capabilities</b>	Standard IP: Up to 300/100 kbps
<b>Vibration</b>	2 ~ 13.2 ~ 100 Hz , 1mm, 0.7gn, 3-axis 5~500Hz, 3-axis
<b>Interfaces</b>	<b>MBH terminal</b> <ul style="list-style-type: none"> <li>• Wi-Fi: 2.4 GHz (802.11 b/g/n) with WPA/WPA2/WPA3</li> <li>• Ethernet: PoE cable connection from PoE injector</li> <li>• SIM: Nano SIM</li> </ul> <b>PoE injector</b> <ul style="list-style-type: none"> <li>• DC power input</li> <li>• Ethernet: <ul style="list-style-type: none"> <li>• PoE cable connection to Thuraya MBH</li> <li>• Data towards LAN</li> </ul> </li> </ul>
<b>Power</b>	PoE Input Range: 12~36 VDC Standby /Transmit: 16 W / 25 W
<b>Frequency Range</b>	Tx: 1626.5 - 1660.5 (MHz) Rx: 1525.0 - 1559.0 (MHz)

<b>GNSS Support</b>	GPS, Galileo, Beidou, Glonass
<b>Languages</b>	EN, AR, FA, FR, DE, UR, HI, IT, PT, RU, ES,TR, CN, ID,TH,TL
<b>Approvals</b>	CE, UKCA, RoHS, REACH, ITU GMPCS-MoU, Thuraya certified
<b>Terminal Environmental Conditions</b>	<b>Temperature</b> Operational (ambient): -25°C to +55°C Storage: -40°C to +80°C Operating humidity: 5% to 95% RH at 40°C Water and dust: IP67 & IP68
<b>Packages</b>	Main package <ul style="list-style-type: none"> <li>• Thuraya MBH</li> <li>• PoE injector</li> <li>• DC cable (5m)</li> </ul> Land pack accessory <ul style="list-style-type: none"> <li>• Magnet mount kit</li> <li>• PoE cable (6m)</li> </ul> Maritime pack accessory <ul style="list-style-type: none"> <li>• Pole mount kit</li> <li>• PoE cable (25m)</li> </ul>